

**ARIZONA GAME AND FISH DEPARTMENT  
HABITAT PARTNERSHIP COMMITTEE  
HABITAT ENHANCEMENT AND WILDLIFE MANAGEMENT PROPOSAL**

Game Branch / HPC Project Number: 14-410

**PROJECT INFORMATION**

**Project Title:** 938 – New Development

**Region and Game Management Unit:** 41

**Local Habitat Partnership Committee (LHPC):**  
• SWAHPC

**Was the project presented to the LHPC?**  
YES[] NO[X]

**Has this project been submitted in previous years?** YES[] NO[X]

**If Yes, was it funded?** YES[] NO[] → **Funded HPC Project #(s):**

**Project Type:** Water Development

**Brief Project Summary:** Replace the existing system (ring tank and apron) with new underground storage components and a walk-in trough.

**Big Game Wildlife Species to Benefit:** Mule Deer Primarily and Sonoran pronghorn (10J) in the future

**Implementation Schedule** (Month/Day/Year):

Project Start Date:  
February 2015

Project End Date:  
March 2016

**Environmental Compliance:**

NEPA Completed: Yes[X] No[] N/A[]

Projected Completion Date: 8/26/2009

State Historic Preservation Office - Archaeological Clearance:

Yes[] No[X] N/A[]

Projected Completion Date November 2014

Arizona Game and Fish Department EA Checklist: Yes

To be Completed by: Daniel Urquidez

Projected Completion Date: November 2014

**PROJECT FUNDING**

**Special Big Game License Tag Funds Requested:**

\$ 16,227

**Cost Share or Matching Funds:**

\$ 3,216

\$ 10,000

**Total Project Costs:**

\$ 29,443

**PARTICIPANT INFORMATION**

**Applicant** (please print):  
Dan Urquidez

**Address:**  
8290 E Topeka Place  
Yuma, AZ 85365

**E-mail:**  
durquidez@azgfd.gov

**Telephone:** 928-856-0711

**Date:** August 29, 2014

**AGFD Contact and Phone No.** (If applicant is not AGFD personnel):

**Project has been coordinated with:** Joe Currie

## **NEED STATEMENT – PROBLEM ANALYSIS:**

The original tank has had a periodic water hauling history during the summer season. Currently, the trough is regulated with a float- valve system. This mechanical feature makes this catchment vulnerable to a catastrophic event, if the float-valve gets stuck. Annually, mule deer are lost in the Wellton-Mohawk canal during the summer season. Deer losses could exponentially increase if this catchment went dry.

In addition, the high profile of this old system may also be a target of vandalism. A similar catchment (950) about 14 miles west of this catchment was riddled with bullet holes. An underground system would reduce its vulnerability.

## **PROJECT OBJECTIVES:**

Develop a permanent water source for mule deer by adding an underground storage system, a trough, and natural collecting point(s). We also expect to eliminate hauling water to the catchment by increasing water capacity and relying on a gravity-feed system.

## **PROJECT DESCRIPTION AND STRATEGIES:**

Bury PVC pipe, install a trough and collecting point(s) using volunteer labor.

**PROJECT LOCATION: ddd mm.mm N 32.8313716 W 113.8180887**

## **LAND OWNERSHIP AT THE PROJECT SITE(S):**

(if the project area is private property, please state specifically and provide the landowner's name)

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*IF PRIVATE PROPERTY, IS THERE A COOPERATIVE BIG GAME STEWARDSHIP or  
LANDOWNER AGREEMENT BETWEEN THE LANDOWNER AND THE DEPARTMENT?*  
YES[] NO[] N/A [X]

## **HABITAT DESCRIPTION:**

Sonoran Desert, Lower Colorado Subdivision.

## **ITEMIZED USE OF FUNDS:**

### Special Big Game License Tag Funds

### Special Big Game License Tag Funds

480 feet of 24 inch PVC pipe = \$12,062

8 end caps = \$2,087

1 standard fiberglass walk-in trough = \$800.00

Concrete and miscellaneous plumbing supplies and equipment = \$1,500.00

ADWR application fee and posting costs = \$1,300.00

**Total = \$19,443**

Cost Share or Matching Funds (for volunteer labor rates please refer to the worksheet below)

Cost share of 24 inch PVC pipe (24 lengths) and one walk-in drinker with AZGFD Sonoran pronghorn program (25%) = \$3,216

Yuma Valley Rod and Gun Club will provide two donated backhoes, four trailers to haul materials and supplies to the site, 25 labors for three days, volunteer mileage, 6 inch PVC pipe lines, concrete and misc. plumbing = \$10,000.

**LIST COOPERATORS AND DESCRIBE POTENTIAL PARTICIPATION:**

**Yuma Valley Rod and Gun Club will provide equipment and volunteer manpower.**

**Arizona Mule Deer Association**

**WOULD IMPLEMENTATION OF THIS PROJECT ASSIST IN PROVIDING, MAINTAINING, OR FACILITATING RECREATIONAL ACCESS?**

YES[] NO[] N/A[X]

**PROJECT MONITORING PLAN:**

Dan Urquidez (WM, Wellton) will maintain the new system according to Region IV maintenance protocol. To be checked monthly during the summer season and at least once during the cool season.

**PROJECT MAINTENANCE:**

If water hauling is required, Region IV personnel will take the lead and insure it gets done. Minor maintenance such as cleaning the silt trap, removing organic matter and measuring the water level will be accomplished by Dan.

**PROJECT COMPLETION REPORT TO BE FILED BY:**

Dan Urquidez, Wildlife Manager

**WATER DEVELOPMENT PROJECTS (please use the worksheet below):**

**TREE CLEARING/REMOVAL PROJECTS (please use the worksheet below):**

## **ARIZONA GAME AND FISH DEPARTMENT WATER DEVELOPMENT WORKSHEET**

**PROJECT TITLE:** 938 new development

- 1) **Is the water development listed as a priority in the most recent “Wildlife Water Development Annual Implementation Schedule?”** Yes
- 2) **Please list the Development Branch personnel and date coordinated with for this project.**  
Joe Currie, AGFD and August 2014
- 3) **What is the estimated annual inches of precipitation for the area? (mark one)**  
☐2-4 ☒4-6 ☐6-8 ☐8-10 ☐10-12 ☐12-14 ☐14-16 ☐ >16
- 4) **Is there a perennial water source available to big game within four miles of this project?**  
  
YES☒ (please complete #5 below) NO☐ (skip #5 below)
- 5) **For the accessible, perennial water source nearest this project:**  
Name of water source: Wellton-Mohawk canal.  
Type of water source (catchment, spring, dirt tank, etc.): Canal, death trap for deer.  
Ownership of water source: Wellton-Mohawk Irrigation District  
Distance in miles from project: 1.6 mile
- 6) **Is the target wildlife species a result of transplant efforts?** YES☐ NO☒
- 7) **Please list any special land management status for the project site (i.e. Wilderness, National Park, National Monument). If private land, list landowner.**
- 8) **Please provide the following information about access to the proposed site:**  
Type of access (mark one): ☐2x4 vehicles ☒4x4 only ☐foot only\*\*  
  
\*\*If foot access only: Distance in miles: \_\_\_\_\_ Approximate hiking time: \_\_\_\_\_  
  
-- Does access to this site require crossing private or tribal lands? YES☐ NO☒  
  
-- Please describe any restrictions to public access:
- 9) **Please list below (or on a separate sheet) the material type and dimensions of each component proposed to be added, modified, or repaired.**
- 10) **Was a site visit completed?** Yes☒ No☐  
Jeff Young (BLM) and John Hervert, Spring 2002.



Catchment 938 is approximately 1.6 miles from the Wellton-Mohawk Irrigational Drainage District's canal.





## **ARIZONA GAME AND FISH DEPARTMENT** **TREE CLEARING/REMOVAL WORKSHEET**

**PROJECT TITLE:** N/A

- 1) What is the estimated acreage of the project?**
- 2) How are the trees going to be cleared? (agra axe, chain saw, grubbing, push, chaining):**
- 3) What is the estimated number of trees per acre?**
- 4) Describe trees to be cleared (species, estimated diameter, single stem, multi-stem):**
- 5) Describe terrain (slope, soil type, rocks)**
- 6) Please list any special land management status for the project site (e.g. Wilderness, National Park, National Monument). If private land, list landowner.**
- 7) Please provide the following information about access to the proposed site:**  
Type of access (mark one): ☐ 2x4 vehicles ☐ 4x4 only ☐ Foot only\*\*

\*\*If foot access only: Distance in miles:    Approx. hiking time:

Does access to this site require crossing private or tribal lands? YES ☐ NO ☐

Is the site relatively accessible for tree removal equipment? YES ☐ NO ☐

Please describe any restrictions to public access:

## **ARIZONA GAME AND FISH DEPARTMENT**

### **VOLUNTEER HOURLY RATES AND CLASSIFICATIONS WORKSHEET**

**PROJECT TITLE:** 938- new developement

The value of volunteer labor should be calculated at the hourly rate of an employee doing similar work, or using hourly rates from the Arizona Department of Administration's Human Resource web site, plus a standard ERE rate of 35%. [http://www.hr.az.gov/HR\\_Professional/Class\\_Comp/PDF/alphacovered.pdf](http://www.hr.az.gov/HR_Professional/Class_Comp/PDF/alphacovered.pdf)

\$0.445/mile should be the calculation used for mileage.

<b>Water Development</b>	<b>Volunteer Hours</b>	<b>Volunteer Miles</b>	<b>Hourly Rate</b>	<b>Estimated Value</b>
	600	1500	\$14.14	\$9,151
<b>Habitat Restoration and Clean Up</b>	<b>Volunteer Hours</b>	<b>Volunteer Miles</b>	<b>Hourly Rate</b>	<b>Estimated Value</b>
			\$14.14	
<b>Fisheries</b>	<b>Volunteer Hours</b>	<b>Volunteer Miles</b>	<b>Hourly Rate</b>	<b>Estimated Value</b>
			\$14.14	
<b>Nongame Branch Project</b>	<b>Volunteer Hours</b>	<b>Volunteer Miles</b>	<b>Hourly Rate</b>	<b>Estimated Value</b>
			\$14.14	
<b>Misc/office work</b>	<b>Volunteer Hours</b>	<b>Volunteer Miles</b>	<b>Hourly Rate</b>	<b>Estimated Value</b>
			varies	
<b>Community Services</b>	<b>Volunteer Hours</b>	<b>Volunteer Miles</b>	<b>Hourly Rate</b>	<b>Estimated Value</b>
			\$7.44	
<b>Events and Other</b>	<b>Volunteer Hours</b>	<b>Volunteer Miles</b>	<b>Hourly Rate</b>	<b>Estimated Value</b>
			\$14.14	
<b>Research Branch</b>	<b>Volunteer Hours</b>	<b>Volunteer Miles</b>	<b>Hourly Rate</b>	<b>Estimated Value</b>
			\$14.14	
<b>Wildlife Area Hosts</b>	<b>Volunteer Hours</b>	<b>Volunteer Miles</b>	<b>Hourly Rate</b>	<b>Estimated Value</b>
			\$17.44	
<b>Education Programs</b>	<b>Volunteer Hours</b>	<b>Volunteer Miles</b>	<b>Hourly Rate</b>	<b>Estimated Value</b>
			\$16.07	
<b>Totals</b>			\$9,151	